

16 CHARACTERS x 2 Line, 1/16 DUTY, 1/5 BIAS

Figure 1: External dimension of the product. The drawing shows the front, top, and side views of a rectangular device. Key dimensions include a width of 80.00±0.50mm, a height of 36.00±0.50mm, and a pitch of 2.54x15=38.10mm. The drawing also indicates the number of LEDs (16) and the type of LEDs (γ1.00 16PL and γ2.50 4PL).

1 Vss

2 Vdd

3 Vo

4 RS

5 R/W

6 E

7 DB0

14 DB7

15 LED+

16 LED-

CONTROLLER IC
KS0708 or EQUIV.

S80

C16

LCD PANEL

LED LIGHT-BOX

PIN NO.	SYMBOL	LEVEL	FUNCTION
1	Vss	0V	Ground
2	Vdd	5.0V	Supply voltage for logic
3	Vo	---	Input voltage for LCD
4	RS	H/L	H : Data signal, L : Instruction signal
5	R/W	H/L	H : Read mode, L : Write mode
6	E	H,H→L	Chip enable signal
7	DB0	H/L	Data bit 0
14	DB7		Data bit 7
15	LED+	4.2V	Backlight anode
16	LED-	0V	Backlight cathode

ITEM	NOMINAL DIMENSIONS	UNIT
Module Size (W x H x T)	80 x 36 x 11.0 (14.0 W/LED BACKLIGHT)	mm
Viewing Area (W x H)	64.5 x 14.8	mm
Character Pitch (W x H)	3.55 x 5.95	mm
Character Size (W x H)	2.95 x 5.55	mm
Character Font	5 x 8 DOTS	---
Dot Pitch (W x H)	0.60 x 0.70	mm
Dot Size (W x H)	0.55 x 0.65	mm

ITEM	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
LED Forward Consumption Current	If	Ta=25°C Vf=4.2V	---	80	120	mA
LED Allowable Dissipation	Pd		---	320	480	mW

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